

10057505 "012502

(x1) SEQUENCE DESCRIPTION:

SEQ ID NO:1:	ATG AGT AAA GGA GAA GAA CTT TTC ACT GGA GTT GTC CCA ATT CTT GTT	48
SEQ ID NO:2:	Met Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu Val	
	1 5 10 15	
	GAA TTA GAT GGT GAT GTT AAT GGG CAC AAA TTT TCT GTC AGT GGA GAG	96
	Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly Glu	
	20 25 30	
	GGT GAA GGT GAT GCA ACA TAC GGA AAA CTT ACC CTT AAA TTT ATT TCC	144
	Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys	
	35 40 45	
	ACT ACT GGA AAA CTA CCT GTT CCA TGG CCA ACA CTT GTC ACT ACT TTC	192
	Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe	
	50 55 60	
	TCT TAT GGT GTT CAA TGC TTT TCA AGA TAC CCA GAT CAT ATG AAA CGG	240
	Ser Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Arg	
	65 70 75 80	
	CAT GAC TTT TTC AAG AGT CCC ATG CCC GAA GGT TAT GTA CAG GAA ACA	288
	His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg	
	85 90 95	
	ACT ATA TTT TTC AAA GAT GAC GGG AAC TAC AAG ACA CGT GCT GAA GTC	336
	Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val	
	100 105 110	
	AAG TTT GAA GGT GAT ACC CTT GTT AAT AGA ATC GAG TTA AAA GGT ATT	384
	Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile	
	115 120 125	
	GAT TTT AAA GAA GAT GGA AAC ATT CTT GGA CAC AAA TTG GAA TAC AAC	432
	Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn	
	130 135 140	
	TAT AAC TCA CAC AAT GTA TAC ATC ATG GCA GAC AAA CAA AAG AAT GGA	480
	Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly	
	145 150 155 160	
	ATC AAA GTT AAC TTC AAA ATT AGA CAC AAC ATT GAA GAT GGA AGC GTT	528
	Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val	
	165 170 175	
	CAA CTA GCA GAC CAT TAT CAA CAA AAT ACT CCA ATT GGC GAT GGC CCT	576
	Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro	
	180 185 190	
	GTC CTT TTA CCA GAC AAC CAT TAC CTG TCC ACA CAA TCT GCC CTT TCG	624
	Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser	
	195 200 205	
	AAA GAT CCC AAC GAA AAG AGA GAC CAC ATG GTC CTT CTT GAG TTT GTA	672
	Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val	
	210 215 220	
	ACA GCT GCT GCG ATT ACA CAT GGC ATG GAT GAA CTA TAC AAA TA	
	Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys	
	225 230 235	

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FIGURE 1

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GAT Asp 130	TTT Phe 130	AAA Lys	GAA Glu	GAT Asp	GGA Gly	AAC Asn 135	ATT Ile	CTT Leu	GGA Gly	CAC His	AAA Lys 140	TTG Leu	GAA Glu	TAC Tyr	AAC Asn	432
TAT Tyr 145	AAC Asn	TCA Ser	CAC His	AAT Asn	GTA Val 150	TAC Tyr	ATC Ile	ATG Met	GCA Ala	GAC Asp 155	AAA Lys	CAA Gln	AAG Lys	AAT Asn	GGA Gly 160	480
ATC Ile	AAA Lys	GTT Val	AAC Asn	TTC Phe 165	AAA Lys	ATT Ile	AGA Arg	CAC His	AAC Asn 170	ATT Ile	GAA Glu	GAT Asp	GGA Gly	AGC Ser 175	GTT Val	528
CAA Gln	CTA Leu	GCA Ala	GAC Asp 180	CAT His	TAT Tyr	CAA Gln	CAA Gln	AAT Asn 185	ACT Thr	CCA Pro	ATT Ile	GGC Gly	GAT Asp 190	GGC Gly	CCT Pro	576
GTC Val	CTT Leu	TTA Leu 195	CCA Pro	GAC Asp	AAC Asn	CAT His	TAC Tyr 200	CTG Leu	TCC Ser	ACA Thr	CAA Gln	TCT Ser 205	GCC Ala	CTT Leu	TCG Ser	526
AAA Lys	GAT Asp 210	CCC Pro	AAC Asn	GAA Glu	AAG Lys	AGA Arg 215	GAC Asp	CAC His	ATG Met	GTC Val	CTT Leu 220	CTT Leu	GAG Glu	TTT Phe	GTA Val	672
ACA Thr 225	GCT Ala	GCT Ala	GGG Gly	ATT Ile	ACA Thr 230	CAT His	GGC Gly	ATG Met	GAT Asp 235	GAA Glu	CTA Leu	TAC Tyr	AAA Lys	TA		717 716

FIG. 1B

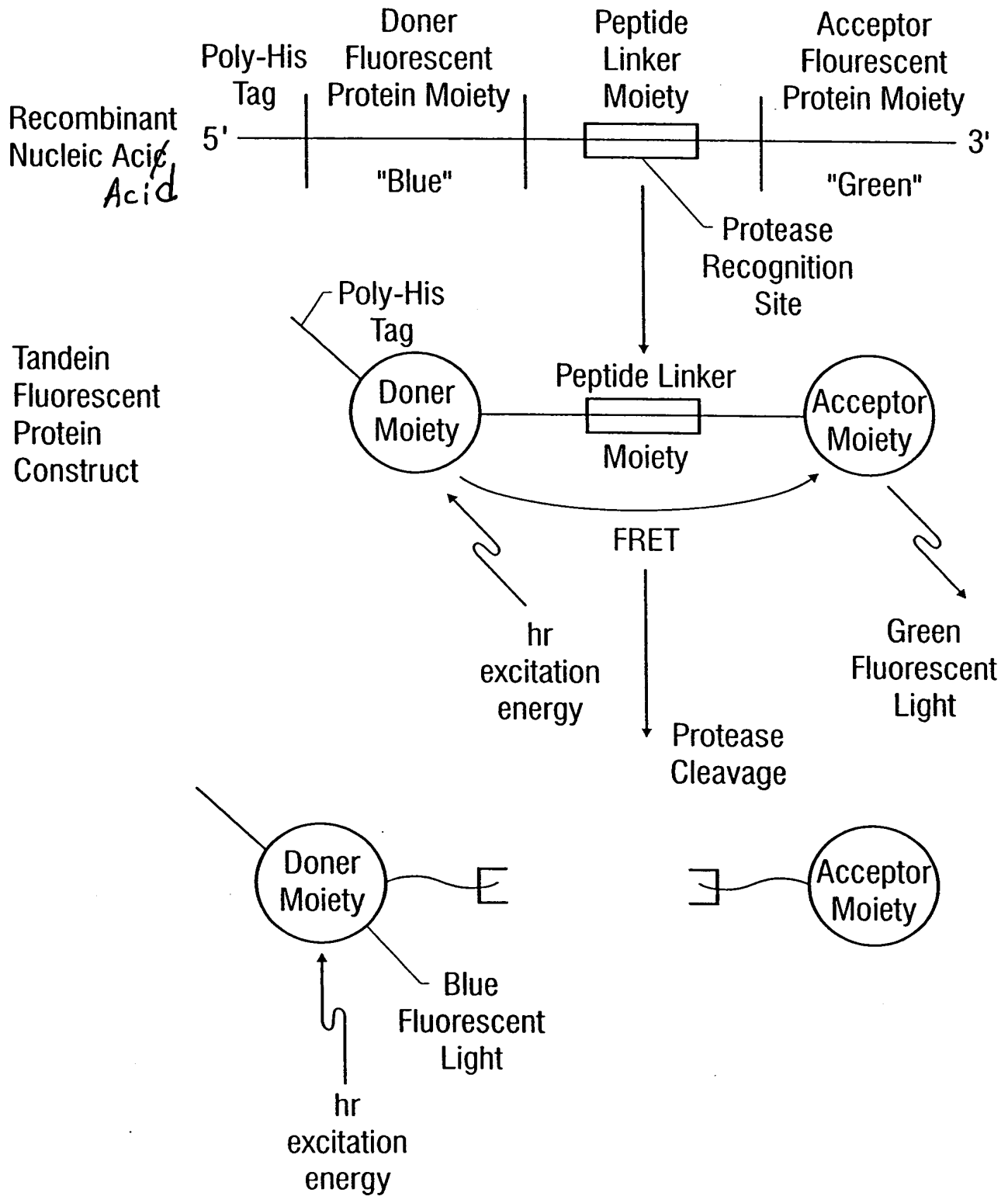


FIG. 2